

Patent Abstracts of Japan

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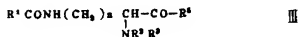
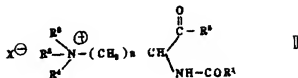
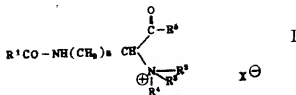
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APPLICANT : AJINOMOTO CO INC;

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TITLE : NOVEL DIAMINOMONOCARBOXYLIC
ACID AND SURFACE ACTIVE AGENT
CONTAINING THE SAME AS ACTIVE
INGREDIENT



ABSTRACT : NEW MATERIAL: A compound of formula I (R¹CO is 8-22C aliphatic acyl; R²-R⁴ are lower alkyl which may be substituted, aralkyl which may be substituted; R⁵ is -O-, OH, NH₂; X- is halogen anion, inorganic acid anion; n is 2-4).

EXAMPLE:

N^α,N^α,N^α-Trimethyl-N^ε-lauroylslysine.

USE: Surface active agent: it has a large solubility in water and shows high antistatic performance.

PREPARATION: A compound of formula III, its lower alkyl ester or amide is made to react with an alkyl halide such as methyl chloride or methyl iodide or an aralkyl halide such as benzyl chloride to effect quaternization, thus giving the objective compound of formula I.